

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
☐ OTHER : _____					

Work Order ID 143555***143555***

Page 2

Tuesday, March 15, 2016 3:22:46 PM

Item ID: D412-760-111 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Aft Cabin Wall & Pylon Protector
Start Date: 3/21/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 3/30/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-760-011
Location:FG040

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

1

SMB

6/3/22

MLJ

MAR 22 2016

MLF

16-3-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Tuesday, March 15, 2016 3:22:45 PM

Page 1

Work Order ID: 143555

143555

Parent Item: D412-760-111

D412-760-111

Parent Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 3/21/2016

Required Date: 3/30/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 11.04.19 per ecn10-646 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status									
D3933-1 *D3933-1* Aft Wall Protector	DAS 27 9-89	Manufactured	No			110	Each	0.0000	1	1		DAS 6 9-89	DAS 28 9-89									
D3933-2 *D3933-2* Aft Wall Protector, RH	DAS 27 9-89	Manufactured	No			110	Each	0.0000	1	1		DAS 6 9-89	DAS 28 9-89									
D3935-1 *D3935-1* Pylon Wall Protector, LH	DAS 27 9-89	Manufactured	No			110	Each	0.0000	1	1		DAS 6 9-89	DAS 28 9-89									
D3935-2 *D3935-2* Pylon Wall	DAS 27 9-89	Manufactured	No			110	Each	0.0000	1	1		DAS 6 9-89	DAS 28 9-89									
D3942-1 *D3942-1* Angle	DAS 27 9-89	Manufactured	No			110	Each	72.0000	14	14		DAS 6 9-89	DAS 28 9-89									
<table><tr><td><u>Location</u></td><td><u>Loc Qty</u></td><td><u>Loc Code</u></td></tr><tr><td>ST060</td><td>72</td><td></td></tr><tr><td>140519</td><td>72</td><td></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>	ST060	72		140519	72	
<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>																				
ST060	72																					
140519	72																					
D3942-3 *D3942-3* Clip	DAS 27 9-89	Manufactured	No			110	Each	40.0000	10	10		DAS 6 9-89	DAS 28 9-89									
<table><tr><td><u>Location</u></td><td><u>Loc Qty</u></td><td><u>Loc Code</u></td></tr><tr><td>ST060</td><td>40</td><td></td></tr><tr><td>140522</td><td>40</td><td></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>	ST060	40		140522	40	
<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>																				
ST060	40																					
140522	40																					

MAR 21 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval 	
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____						
Misidentified	☐	Past Due	☐							

Picklist Print

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Page 2

Work Order ID: 143555

143555

Parent Item: D412-760-111

D412-760-111

Parent Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 3/21/2016

Required Date: 3/30/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-4-10

Purchased

No

110

Each

60.0000

4

4

MS27039-4-10

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST279

60

m131885

60

110

Each

28.0000

6

6

MS27039-4-14

Purchased

No

MS27039-4-14

SCREW

Location

Loc Qty

Loc Code

CA

13

m129682

13

ST279

15

m131197

15

110

Each

21.0000

6

6

MS27039-5-08

Purchased

No

MS27039-5-08

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST279

21

m134039

21

110

Each

9.0000

8

8

MS27039-5-12

Purchased

No

MS27039-5-12

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

9

m133694

9

MAR 21 2016

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	☐	Past Due ☐							

Swaps March 23rd

Work Order ID 143555

143555

Page 1

Tuesday, March 15, 2016 3:22:46 PM

Item ID: D412-760-111

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 3/21/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: cmf

Date: 16-3-15

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN D412-760	.G

100

Document Control

0.00

DAS
6-89

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-760-111 CHG002

MCS MAR 21 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
6-89
MAR 21 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

Qty -111	Qty -113	Part Number	Description
X		D412-760-111	AFT CABIN WALL AND PYLON PROTECTOR KIT
	X	D412-760-113	AFT CABIN WALL AND PYLON PROTECTOR KIT
1	1	D3933-1	LH AFT CABIN WALL PROTECTOR
1	1	D3933-2	RH AFT CABIN WALL PROTECTOR
1		D3935-1	LH PYLON PROTECTOR
1		D3935-2	RH PYLON PROTECTOR
	1	D3935-3	LH PYLON PROTECTOR
	1	D3935-4	RH PYLON PROTECTOR
14	14	D3942-1	ANGLE
10	10	D3942-3	CLIP
4	4	MS27039-4-10	SCREW
6	6	MS27039-4-14	SCREW
6	6	MS27039-5-08	SCREW
8	8	MS27039-5-12	SCREW

Qty -211	Qty -213	Qty -215	Qty -217	Part Number	Description
X				D412-760-211	BAGGAGE COMPARTMENT PROTECTOR KIT
	X			D412-760-213	BAGGAGE COMPARTMENT CEILING PROTECTOR KIT
		X		D412-760-215	CARGO FLOOR PROTECTOR KIT
			X	D412-760-217	LIGHTWEIGHT BAGGAGE COMPARTMENT PROTECTOR KIT
36	7	8		D3628-1	CUPPED WASHER
			43	D3628-5	CUPPED WASHER
1				D3876-1	RH FORWARD WALL PROTECTOR
1				D3876-3	FORWARD WALL PROTECTOR
1				D3876-5	LH WALL PROTECTOR
1				D3876-7	AFT WALL PROTECTOR
1				D3876-9	RH AFT WALL PROTECTOR
1		1		D3876-11	FLOOR PROTECTOR
1				D3876-13	DOOR PROTECTOR
1		1		D3952-1	PLACARD
			1	D3952-3	PLACARD
	1			D4438-1	CEILING PROTECTOR
			1	D4640-1	RH FWD WALL PROTECTOR
			1	D4640-3	FORWARD WALL PROTECTOR
			1	D4640-5	LH WALL PROTECTOR
			1	D4640-7	AFT WALL PROTECTOR
			1	D4640-9	RH AFT WALL PROTECTOR
			1	D4640-11	FLOOR PROTECTOR
			1	D4640-13	DOOR PROTECTOR
			1	D4640-15	CEILING PROTECTOR
36		8	36	80-004-2-6	INSERT
	7		7	80-004-2-8	INSERT
36		8	36	MS27039-1-04	SCREW
	7		7	MS27039-1-05	SCREW
	3		3	MS27039-1-10	SCREW
	6		6	NAS1149F0363P	WASHER (AN960-10)

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Revision: G
Date: 13.01.03